AMENDMENTS TO THE CLAIMS

| 1 | 1. | (Currently amended) A device comprising: |
|----|---|---|
| 2 | | an emitter electrode; |
| 3 | | a resistor layer; |
| 4 | • | a patterned an electrically conductive seed layer overlying part of the resistor layer, |
| 5 | | the seed layer including a plurality of laterally separated sections; |
| 6 | | a dielectric layer overlying the resistive layer; |
| 7 | | a gate electrode overlying the dielectric layer above the resistive layer and having |
| 8 | | lateral edges in approximate vertical alignment with lateral edges of the |
| 9 | | dielectric layer; and |
| 10 | | a carbon based electron-emissive element (a) positioned over the sections of the seed |
| 11 | | layer above the emitter electrode and (b) situated in a composite opening |
| 12 | | extending through the gate electrode and the dielectric layer. |
| | | |
| 1 | 2. | (Currently amended) A device comprising: |
| 2 | 16c | a group of laterally separated an emitter electrodes electrode; |
| 3 | | an electrically resistive layer overlying parts of at least a portion of the emitter |
| 4 | | electrodes electrode; |
| 5 | | a dielectric layer overlying the resistive layer; |
| 6 | | a plurality of laterally separated gate electrodes overlying the dielectric layer above |
| 7 | | the resistive layer; and |
| 8 | | a multiplicity of electron-emissive elements (a) positioned over a patterned seed layer |
| 9 | | grown from a seed layer that includes a plurality of unconnected sections |
| 10 | | above the emitter electrode electrodes and (b) situated in composite openings |
| 11 | • | extending through the gate electrodes and the dielectric layer. |
| | | |
| 1 | 3. | (Original) A device as in Claim 2 wherein the dielectric layer comprises a dual |
| 2 | layer of silicon nitride and silicon dioxide. | |

1 (Currently amended) A device as in Claim [[3]] 2, wherein the dielectric layer comprises a single layer of silicon nitride. 2 1 5. (Currently amended) A device as in Claim [[3]] 2, wherein the dielectric layer 2 comprises a single layer of silicon dioxide. 6. 1 (Original) A device as in Claim 2 wherein the multiplicity of electron-emissive-2 elements comprise carbon. 7. • 1 (Original) A device as in Claim 6 wherein the multiplicity of electron-emissive-2 elements are filaments. 1 8-9. (Canceled) 10. 1 (Currently amended) A device as in Claim [[9]] 2, wherein said group of electronemissive elements defines a pixel the electron-emissive elements positioned over at least two 2 3 sections of the seed layer defines a single pixel of a display system. 1 11. (Currently amended) A device as in Claim 10, wherein the electron-emissive 2 elements are allocated into a number of laterally separated sets, each set comprising multiple 3 electron-emissive elements, at least one of the set overlying at least one of the sections of the seed layer each conductive strip. 4 (Canceled) 12. 1 1 13. (New) An electron-emitting device comprising: an emitter electrode; 2 a gate electrode; 3

| 4 | a plurality of groups of electron-emissive elements situated in one or more openings | | | |
|---|---|---|--|--|
| 5 | in the gate electrode; and | | | |
| 6 | a seed layer including at least two laterally separated sections, each section of the | | | |
| 7 | | seed layer electrically coupled between one or more groups of electron- | | |
| 8 | | emissive elements and the emitter electrode. | | |
| 1 | 14. | (New) The device of claim 13, further comprising: | | |
| 2 | an | electrically resistive layer overlying at least a portion of the emitter electrode, the | | |
| 3 | | electrically resistive layer electrically coupled in series between the emitter | | |
| 4 | | electrode and the seed layer. | | |
| 1 | 15. | (New) The device of claim 14, further comprising: | | |
| 2 | a dielectric layer disposed between the electrically resistive layer and the gate | | | |
| 3 | | electrode. | | |
| | | | | |
| 1 | 16. | (New) The device of claim 15, wherein the dielectric layer comprises silicon | | |
| 2 | nitride. | | | |
| 1 | 17. | (New) The device of claim 15, wherein the dielectric layer comprises silicon | | |
| | dioxide. | : | | |
| 2 | dioxide. | | | |
| 1 | 18. | (New) The device of claim 15, wherein the dielectric layer comprises a layer of | | |
| 2 | silicon nitride and a layer of silicon dioxide. | | | |
| 1 | 19. | (New) The device of claim 13, wherein the electron-emissive elements comprise | | |
| 2 | carbon. | | | |
| 1 | 20 | (New) The device of claim 13, wherein the electron-emissive elements comprise | | |

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number of carbon filaments.

- 1 21. (New) The device of claim 13, wherein the sections of the seed layer 2 symmetrically over-align with the openings of the gate electrode.
- 1 22. (New) The device of claim 13, wherein multiple sections of the seed layer correspond to a single pixel of a display system.
- 1 23. (New) The device of claim 13, wherein multiple sections of the seed layer correspond to a single color for a pixel of a display system.